Book Review

Space Geodesy and Geodynamics by A.J. Anderson and A. Cazenave (Editors)—C. Vita-Finzi 179

Research Papers

Multidomain and single-domain relations between susceptibility and coercive force
D.J. Dunlop, Ö. Özdemir and R.J. Enkin (Toronto, Ont., Canada) 181
Comparison between the theoretical and observed tidal gravimetric factors
V. Dehant (Louvain-La-Neuve, Belgium) and B. Ducarme (Brussels, Belgium) 192
Tidal motions within the Earth's fluid core: resonance process and possible variations
J. Hinderer, H. Legros and M. Amalvict (Strasbourg, France) 213
Earthquake risk and fracture statistics
P. Kittl and G. Díaz (Santiago, Chile) 222
Reflection coefficient and the surface amplitude of SH waves from a multilayered laterally and vertically inhomogeneous anisotropic crust
S. Gupta (Lincoln, PA, U.S.A.) 225
The excitation of normal modes by a curved line source
E. Mochizuki (Tokyo, Japan) 238
Integration of the gravitational motion equations for an elliptical uniformly rotating Earth with an inelastic mantle
V. Dehant (Louvain-La-Neuve, Belgium) 242
Evidence of interrelation between the seismicity of the Southern Apennines and Southern Dinarides
E. Mantovani, M. Mucciarelli and D. Albarello (Bologna, Italy) 259
Tensional intraplate seismicity in the Eastcentral Pacific
D.A. Wiens (Saint Louis, MO, U.S.A.) and E.A. Okal (Evanston, IL, U.S.A.) 264
A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980
I.G. Main (Reading, Gt. Britain) 283
A possible local anomaly in the 670-km discontinuity beneath Kerguelen
N. Wajeman and A. Souriau (Toulouse, France) 294
Lower crustal and upper mantle electrical conductivity contrasts in the central North Island of New Zealand
M.R. Ingham (Wellington, New Zealand) 304
Transient creep in orthosilicates
B.K. Smith and F.O. Carpenter (Tempe, AZ, U.S.A.) 314
Olduvai onset polarity transition: two detailed paleomagnetic records from North Central Pacific sediments
E. Herrero-Bervera, F. Theyer and C.E. Helsley (Honolulu, HI, U.S.A.) 325
Short-period geomagnetic variations at two stations in Sri Lanka and their relation to channelling of induced currents through a conducting region beneath the Palk Strait
K. Kunaratnam (Trieste, Italy) 343
A late Carboniferous palaeomagnetic pole recorded from a syenite sill, Stabben, Central Norway
B.A. Sturt (Trondheim, Norway) and T.H. Torsvik (Bergen, Norway) 350
Corrigendum 360
Contents of Volume 49 361